

(12) **UK Patent Application** (19) **GB** (11) **2 355 738** (13) **A**

(43) Date of Printing by UK Office 02.05.2001

(21) Application No 0016917.7

(22) Date of Filing 27.04.2000

(30) Priority Data  
(31) 60131106 (32) 26.04.1999 (33) US

(86) International Application Data  
PCT/IL00/00245 En 27.04.2000

(87) International Publication Data  
WO00/77431 En 21.12.2000

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(51) INT CL<sup>7</sup>  
E21B 43/10 33/14 , F16L 13/14

(52) UK CL (Edition S )  
E1F FJT FLA  
F2G G24D3 G25A

(56) Documents Cited  
GB 2347952 A GB 2347950 A GB 2344606 A  
GB 1137310 A EP 0881354 A WO 99/35368 A  
WO 98/00626 A US 5924745 A US 4707001 A  
US 4703959 A US 4648627 A US 4577895 A  
US 4501443 A

(58) Field of Search  
UK CL (Edition S) E1F F2J FLA, F2G  
INT CL<sup>7</sup> E21B , F16L  
Online: WPI, EPODOC, JAPIO

(72) cont  
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(74) continued overleaf

(54) Abstract Title  
Wellbore casing with radially expanded liner extruded off of a mandrel

(57) An expandable threaded connection includes a first tubular member, a second tubular member and a threaded connection for coupling the tubular members that includes one or more sealing members.



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Application No: GB 0016917.7  
Claims searched: 1

Examiner: David Pepper  
Date of search: 25 September 2000

## Patents Act 1977 Search Report under Section 17

### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.R): E1F FJT, FLA

Int Cl (Ed.7): E21B

Other: Online: WPI, EPODOC, JAPIO

### Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X,E	GB 2347952 A (Shell Int Research)	1
X,E	GB 2347950 A (Shell Int Research)	1
X,E	GB 2344606 A (Shell Int Research)	1
X	EP 0881354 A (Sofitech N.V.)	1
X	WO 99/35368 A (Shell Int Research) - see figure 4	1
X	WO 98/00626 A (Shell Int Research)	1

X Document indicating lack of novelty or inventive step  
Y Document indicating lack of inventive step if combined with one or more other documents of same category.

& Member of the same patent family

A Document indicating technological background and/or state of the art.  
P Document published on or after the declared priority date but before the filing date of this invention.  
E Patent document published on or after, but with priority date earlier than, the filing date of this application.



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Application No: GB 0016917.7  
Claims searched: 43-52

Examiner: David Pepper  
Date of search: 25 January 2001

## Patents Act 1977 Further Search Report under Section 17

### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S): F2G

Int Cl (Ed.7): F16L

Other: Online: WPI, EPODOC, JAPIO

### Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
A	GB 1137310 A (Commissariat a l'Energie Atomique)	-
A	US 5924745 A (Petroline Wellsystems Ltd)	-
X	US 4707001 A (Seal-Tech Inc) - see col 5, lines 9-37	43-45
X	US 4703959 A (Hydril Co)	43-45
X	US 4648627 A (Dril-Quip Inc) - see col 4, lines 25-39	43-45, 47
X	US 4577895 A (Hub City Works Inc) - see col 2, lines 40-54	43, 44
A	US 4501443 A (Mannesmann Aktiengesellschaft)	-

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Y Document indicating lack of inventive step if combined with one or more other documents of same category.

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A Document indicating technological background and/or state of the art  
P Document published on or after the declared priority date but before the filing date of this invention.  
E Patent document published on or after, but with priority date earlier than, the filing date of this application.



Application No: GB 0016917.7  
Claims searched: 59-63

Examiner: David Pepper  
Date of search: 25 January 2001

**Patents Act 1977**  
**Further Search Report under Section 17**

**Databases searched:**

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK CI (Ed.S): EIF FLA

Int CI (Ed.7): E21B

Other: Online: WPI, EPODOC, JAPIO

**Documents considered to be relevant:**

Category	Identity of document and relevant passage	Relevant to claims
A,P	GB 2344606 A (Shell <u>Internationale</u> Research Maatschappij B.V.)	

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	B	Patent document published on or after, but with priority date earlier than, the filing date of this application.